

DS-570

Intel® Celeron® N2930/J1900 Quad-Core™ SoC Fanless Signage Platform with Advanced NVIDIA® GeForce® GT 730M Graphics



Features

- Intel® Celeron® N2930/J1900 quad-core™ SoC low-power fanless signage platform
- Integrated NVIDIA® GeForce® GT 730M graphics module for UHD/FHD playback
- Supports simultaneous multi-display output (up to 4 outputs)
- Compact size and mechanical design ensure convenient installation for field applications
- Internal mini PCIe interface enables easy expansion (e.g., WLAN, 3G, or TV tuner)
- 2 COM ports for system and application integration
- Built-in content management software for remote content editing, scheduling, and monitoring

Acronis

Specifications

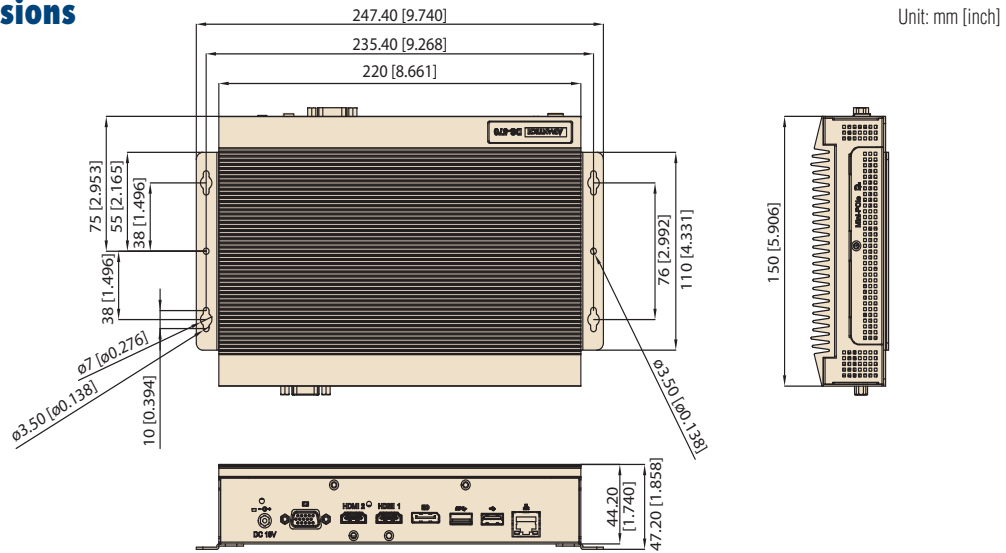
		DS-570GB/ GF/ GQ	DS-570GL
Processor System	CPU	Intel® Celeron® N2930/J1900 quad-core™ 1.86 GHz/2.0 GHz processor	Intel® Celeron® N2930 quad-core™ 1.86 GHz processor
	System Chipset	Integrated in CPU	Integrated in CPU
	L2 Cache	2 MB	2 MB
	BIOS	AMI uEFI 64-Mbit	AMI uEFI 64-Mbit
Memory	Technology	2 x DDR3L 204-pin DIMM**	2 x DDR3L 204-pin DIMM**
	Max. Capacity	8 GB (up to 4 GB per SODIMM)	8 GB (up to 4 GB per SODIMM)
Display	Chipset	NVIDIA® GeForce® GT 730M	NVIDIA® GeForce® GT 730M
	Memory Size	1024 MB of independent display memory	1024 MB of independent display memory
	Resolution	VGA: up to 2048 x 1536 @ 60Hz HDMI: up to 3840 x 2160 @ 30Hz DP++: up to 3840 x 2160 @ 30Hz	VGA: up to 2048 x 1536 @ 60Hz HDMI: up to 3840 x 2160 @ 30Hz DP++: up to 3840 x 2160 @ 30Hz
	Output	2 x HDMI, 1x DP++, 1 x VGA	2 x HDMI, 1x DP++, 1 x VGA
	Multi Display	Up to 4 simultaneous outputs	Up to 4 simultaneous outputs
	Video Format	H.264, VC1, MPEG-1, MPEG-2, MPEG-4 Part 2SP, MPEG-4 ASP, WMV9, DivX 3.11	H.264, VC1, MPEG-1, MPEG-2, MPEG-4 Part 2SP, MPEG-4 ASP, WMV9, DivX 3.11
	Storage	1 x 2.5-inch SATA II HDD/SSD (supports 7 mm height only)	1 x 2.5-inch SATA II HDD/SSD (supports 7 mm height only)
Ethernet	Interface	Gigabit LAN controller	Gigabit LAN controller
	Controller	2 x Intel I211	1 x Intel I211
I/O Interface	Connector	2 x RJ-45	1 x RJ-45
	HDMI	2 (*HDMI 1 supports CEC only)	2 (*HDMI 1 supports CEC only)
	DP++	1	1
	VGA	1 (D-sub 15-pin)	1 (D-sub 15-pin)
	LAN	2 (RJ-45)	1 (RJ-45)
	USB 2.0	3	3
	USB 3.0	1	1
	Audio	1 x audio phone jack for Mic In, 1 x SPDIF/Line Out (supports jack sensing via OS settings)	1 x audio phone jack for Mic In, 1 x SPDIF/Line Out (supports jack sensing via OS settings)
	Serial	2 x COM (RS-232) or 1 x COM (RS-232/RS-485/RS-422) & 1 x RS-232	1 x COM (RS-232)
	Mini PCIe (Internal)	2 (full size for optional expansion modules)	1 (full size for optional expansion modules)
Power Requirement	Power input	1 (DC-in jack)	1 (DC-in jack)
	Management	ACPI 3.0	ACPI 3.0
	Power Consumption	CPU N2930: - Typical: 10.5 W (w/o expansion) - Maximum: 15.7 W (w/o expansion)	CPU N2930: - Typical: 10.5 W (w/o expansion) - Maximum: 15.7 W (w/o expansion)
		CPU J1900: - Typical: 9.7 W (w/o expansion) - Maximum: 22.6 W (w/o expansion)	
Watchdog Timer	Input Voltage	19 V DC in (ATX/AT mode, default ATX)	19 V DC in (ATX/AT mode, default ATX)
	Others	Supports boot on power restore and scheduled boot up functions	Supports boot on power restore and scheduled boot up functions
	Output	Interrupt, system reset	Interrupt, system reset
Physical Characteristics	Interval	Programmable using SUSIAccess	Programmable using SUSIAccess
	Mounting	Wall mount kits for LCD or plasma panels	Wall mount kits for LCD or plasma panels
	Dimensions (W x H x D)	220 x 44.2 x 150 mm	220 x 44.2 x 150 mm
Environment	Weight	1.7 kg	1.7 kg
	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F) (w/HDD); 0 ~ 65 °C (32 ~ 149 °F) (w/extended temperature memory and SSD)	0 ~ 40 °C (32 ~ 104 °F) (w/HDD); 0 ~ 65 °C (32 ~ 149 °F) (w/extended temperature memory and SSD)
	Relative Humidity	95% @ 40° C (non-condensing)	95% @ 40° C (non-condensing)
Software Development Kit	Vibration Resistance	1.0 Grms, IEC 60068-2-64, random, 5-500 Hz, 10ct./min, 1hr/axis	1.0 Grms, IEC 60068-2-64, random, 5-500 Hz, 10ct./min, 1hr/axis
	Operating System	Supports Microsoft Windows 8.1/8/7, WES7P, WES7E	Supports Microsoft Windows 8.1/8/7, WES7P, WES7E
Certification	Linux	By project	By project
	EMC	CE, FCC Class B, BSMI	CE, FCC Class B, BSMI
	Safety	UL, CCC, BSMI, CB, LVD	UL, CCC, BSMI, CB, LVD

1 CEC pin reserved in HDMI; can be defined using software.

*If only one RAM, please insert it into the SODIMM 1 slot before booting up.

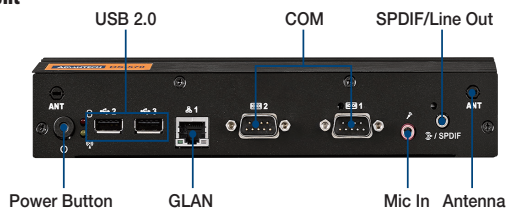
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Dimensions

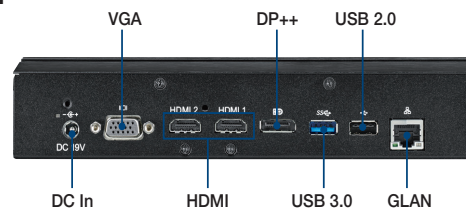


DS-570 External I/O

Front



Rear



Packing List

Part Number	Description
-	1 x DS-570 unit
-	1 x Bracket sets for power adapter
-	2 x Mount brackets
-	1 x Power adapter
-	1 x China RoHS

Power Cord

Part Number	Description
1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
170203180A	3-pin power cord (UK)
1702031836	3-pin power cord (AU)
1700008921	3-pin power cord with PSE (Japan)
1700019146	3-pin power cord with CCC (China)

Ordering Information

Part Number	Description
DS-570GB-U4A1E	DS-570, J1900+GeForce GT730M, barebone unit
DS-570GF-U4A1E	DS-570, J1900+GeForce GT730M, 2G RAM, 500G HDD
DS-570GQ-U4A1E	DS-570, J1900+GeForce GT730M, 2GRAM, 500GHDD, WES7P
DS-570GB-S8A1E	DS-570, N2930+GeForce GT730M, barebone unit
DS-570GF-S8A1E	DS-570, N2930+GeForce GT730M, 2G RAM, 500G HDD
DS-570GQ-S8A1E	DS-570, N2930+GeForce GT730M, 2G RAM, 500G HDD, WES7P
DS-570GL-S8A1E	DS-570GL, N2930+GeForce GT730M, 2G RAM, 500G HDD

Embedded OS

Part Number	Description
2070013696	Img WES7E 64bit, EN/SC/TC/JP
2070013499	Img WES7E 32bit, EN/JP/TC/SC; SAS
2070013692	Img WES7P 64bit, EN/SC/TC/JP
2070013046	Img WES8 64bit, Eng/Jpn/SC/TC
2070015171	Img W10 16EL 64b 1701 ENU

Before OS installation, the OS should be selected and the BIOS settings configured accordingly.

Optional Items

Part Number	Description
AMO-WIFI06E	Realtek/Wi-Fi 802.11bgn/mini PCIe module with cable and antenna
AMO-HSDPA02E	U-blox/HSDPA 6-band/mini PCIe module with cable and antenna

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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